



DEPARTMENT OF THE ARMY  
PHILADELPHIA DISTRICT, CORPS OF ENGINEERS  
WANAMAKER BUILDING, 100 PENN SQUARE EAST  
PHILADELPHIA, PENNSYLVANIA 19107-3390

REPLY TO  
ATTENTION OF  
CENAP - EM

21SEP2005

MEMORANDUM THRU Commander, North Atlantic Division, ATTN: CENAD-CM-O  
FOR CDR USACE (CECW-HS) WASH, DC 20314

**SUBJECT: Request for Approval for Modification of Advance Measures Project:  
Emergency Repair of Floodgate, Delaware River, Greenwich and Logan Townships, New  
Jersey**

**1. References.**

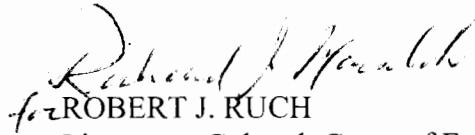
- a Meetings, 4 Dec 98 and 30 Mar 99 with HQUSACE and CENAD.
- b. Governor of New Jersey request dated 08 February 1999.
- c. CENAP-PL-PS letter report dated 25 Feb 99, SAB.
- d. Natural Disaster Procedures, ER 500-1-1, Chapter 7, Advance Measures.

**2. Submittal.** Philadelphia District submits this request to complete emergency repair of the subject project under PL 84-99 authority.

**3. Action Required.** Two of eight hinges designed and constructed by the Corps of Engineers as part of a 1999 Public Law 84-99 Advanced Measures project have already broken and the loss of the remaining 6 hinges, which have shown visible deterioration, would result in subsequent flooding in Repaupo Creek. Emergency repairs to prevent failure of the two gates and protect against flooding from the Delaware River continue to be beyond the capability of local sponsors. Future storms expected in the remainder of the hurricane season could cause additional damage to the Repaupo Creek floodgate, whose performance is already threatened by damaged hinges. Repairs must be completed as soon as possible to prevent continued deterioration, failure and widespread flooding. Emergency action is required only to replace the damaged hinges and supplement the existing hinges with 3 more of an improved hinge system that would allow the hinges to withstand the lateral forces caused by the interaction of the gates and floating log debris. A review of construction techniques required for replacement of the hinges shows that dewatering via construction of a stop log system destroyed during the 1999 Corps Advance Measures effort would not be required to supplement the hinges. No other action is proposed. Replacement of gate seals is solely a non-Federal responsibility and is not being requested. It is not extended to further the life or modify of the floodgate. This request does not propose to address restoration of the levee to the level of protection provided by the prior PL 84-99 rehabilitation, nor levee seepage adjacent to and upstream from the floodgate.

4. **Request.** It is requested that authority and Code 500-210 funds in the amount of \$20,000 be provided to complete construction of the repairs to the floodgate involving replacement of deficient hinges designed and constructed in 1999, under provisions of Public Law 84-99.

5. **Point of Contact.** POC is Mrs. Kathleen Mulvenna at (215) 656-6757.

A handwritten signature in black ink, appearing to read "Robert J. Ruch", written over the printed name.

for ROBERT J. RUCH

Lieutenant Colonel, Corps of Engineers  
District Commander